

NO: YEL-P/PMC/PKG-03/M15

Date: 15/01/2023

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days - Compressive Strength)

Name of Work :- PACKAGE No-03 Providing grill fencing and other developmental works at Sardara vallabai patel park, Sangolli rayanna park, Ambedkar park and Providing Gym & Children Play Equipments to Various Parks in Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants)

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri K Gopi Reddy.

RESULTS OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

CUBE SPECIMENS

Dimensions of Specimens: 150x150x150mm

Grade Of concrete: **M15**

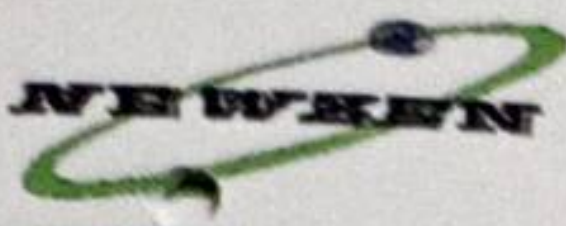
Table 1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm ²	Average Strength N/mm ²
1	Duo Marvel Layout Gyma and Childrens Play Equipments	08-01-2022	15-01-2022	8.33	7	220.00	9.78	10.96
2		"	"	8.23	"	250.00	11.11	
3		"	"	8.24	"	260.00	11.56	
4		"	"	8.25	"	280.00	12.44	
5		"	"	7.90	"	250.00	11.11	
6		"	"	7.95	"	220.00	9.78	



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Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92



NO: YEL-P/PMC/PKG-03/M15

Date: 14/01/2023

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days - Compressive Strength)

Name of Work :- PACKAGE No-03 Providing grill fencing and other developmental works at Sardara vallabai patel park, Sangolli rayanna park, Ambedkar park and Providing Gym & Children Play Equipments to Various Parks in Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants)

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri K Gopi Reddy.

RESULTS OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

CUBE SPECIMENS

Dimensions of Specimens: 150x150x150mm

Grade Of concrete: **M15**

Table 1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm ²	Average Strength N/mm ²
1	Duo Marvel Layout Gyma and Childrens Play Equipments	08-01-2022	05-02-2022	8.40	7	420.00	18.67	17.96
2		"	"	8.30	"	450.00	20.00	
3		"	"	8.25	"	385.00	17.11	
4		"	"	8.41	"	380.00	16.89	
5		"	"	8.00	"	370.00	16.44	
6		"	"	8.10	"	420.00	18.67	



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BBMP, Bangalore - 92



NO: YEL-P/PMC/PKG-03/M25

Date: 29/12/2022

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days - Compressive Strength)

Name of Work :- PACKAGE No-03 Providing grill fencing and other developmental works at Sardara vallabai patel park, Sangolli rayanna park, Ambedkar park and Providing Gym & Children Play Equipments to Various Parks in Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants)

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri K Gopi Reddy.

RESULTS OF COMPRESSIVE STRENGTH OF CONCRETE CUBES**CUBE SPECIMENS**

Dimensions of Specimens: 150x150x150mm

Grade Of concrete: **M25****Table 1.1**

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength	Average Strength N/mm2
1	Sardar Vallabai Patel Park, Basket Ball Court	22-12-2022	29-12-2022	8.32	7	370.00	16.44	17.11
2		"	"	8.12	"	390.00	17.33	
3		"	"	8.62	"	400.00	17.78	
4		"	"	8.64	"	410.00	18.22	
5		"	"	8.69	"	380.00	16.89	
6		"	"	8.00	"	360.00	16.00	



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BBMP, Bangalore - 92



NO: YEL-P/PMC/PKG-03/M25

Date: 19/01/2023

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days - Compressive Strength)

Name of Work :- PACKAGE No-03 Providing grill fencing and other developmental works at Sardara vallabai patel park, Sangolli rayanna park, Ambedkar park and Providing Gym & Children Play Equipments to Various Parks in Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants)

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri K Gopi Reddy.

RESULTS OF COMPRESSIVE STRENGTH OF CONCRETE CUBES**CUBE SPECIMENS**

Dimensions of Specimens: 150x150x150mm

Grade Of concrete: **M25****Table 1.1**

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength	Average Strength N/mm2
1	Sardar Vallabai Patel Park, Basket Ball Court	22-12-2022	19-01-2023	8.41	28	620.00	27.56	26.52
2		"	"	8.63	"	580.00	25.78	
3		"	"	8.45	"	610.00	27.11	
4		"	"	8.64	"	580.00	25.78	
5		"	"	0.23	"	590.00	26.22	
6		"	"	8.61	"	600.00	26.67	



Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92



NO: YEL-P/PMC/PKG-03/M25

Date: 29/12/2022

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days - Compressive Strength)

Name of Work :- PACKAGE No-03 Providing grill fencing and other developmental works at Sardara vallabai patel park, Sangolli rayanna park, Ambedkar park and Providing Gym & Children Play Equipments to Various Parks in Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants)

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri K Gopi Reddy.

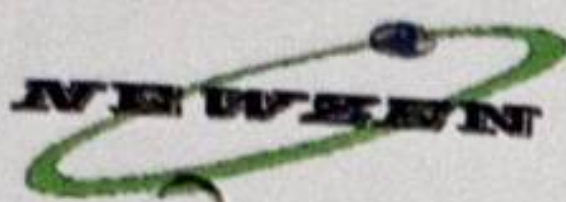
RESULTS OF COMPRESSIVE STRENGTH OF CONCRETE CUBES**CUBE SPECIMENS**

Dimensions of Specimens: 150x150x150mm

Grade Of concrete: **M25****Table 1.1**

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength	Average Strength N/mm2
1	Sardar Vallabai Patel Park, Basket Ball Court	22-12-2022	29-12-2022	8.32	7	350.00	15.56	17.63
2		"	"	8.21	"	400.00	17.78	
3		"	"	8.14	"	430.00	19.11	
4		"	"	8.24	"	410.00	18.22	
5		"	"	8.12	"	400.00	17.78	
6		"	"	8.00	"	390.00	17.33	


Asst. Executive Engineer
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Yelahanka Zone
BBMP, Bangalore - 92



NO: YEL-P/PMC/PKG-03/M25

Date: 19/01/2023

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days - Compressive Strength)

Name of Work :- PACKAGE No-03 Providing grill fencing and other developmental works at Sardara vallabai patel park, Sangolli rayanna park, Ambedkar park and Providing Gym & Children Play Equipments to Various Parks in Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants)

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri K Gopi Reddy.

RESULTS OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

CUBE SPECIMENS

Dimensions of Specimens: 150x150x150mm

Grade Of concrete: **M25**

Table 1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength	Average Strength N/mm2
1	Sardar Vallabai Patel Park, Basket Ball Court	22-12-2022	19-01-2023	8.32	28	570.00	25.33	26.30
2		"	"	8.65	"	600.00	26.67	
3		"	"	8.45	"	610.00	27.11	
4		"	"	8.67	"	590.00	26.22	
5		"	"	8.10	"	580.00	25.78	
6		"	"	8.22	"	600.00	26.67	



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Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92



NO: YEL-P/PMC/PKG-03/M25

Date: 29/12/2022

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days - Compressive Strength)

Name of Work :- PACKAGE No-03 Providing grill fencing and other developmental works at Sardara vallabai patel park, Sangolli rayanna park, Ambedkar park and Providing Gym & Children Play Equipments to Various Parks in Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants)

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri K Gopi Reddy.

RESULTS OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

CUBE SPECIMENS

Dimensions of Specimens: 150x150x150mm

Grade Of concrete: **M25**

Table 1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength	Average Strength N/mm2
1	Sardar Vallabai Patel Park, Basket Ball Court	22-12-2022	29-12-2022	8.21	7	400.00	17.78	16.93
2		"	"	8.23	"	370.00	16.44	
3		"	"	8.14	"	390.00	17.33	
4		"	"	8.25	"	380.00	16.89	
5		"	"	8.10	"	375.00	16.67	
6		"	"	8.36	"	370.00	16.44	



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Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92



NO: YEL-P/PMC/PKG-03/M25

Date: 19/01/2023

Test report on cement Concrete Cubes:

Sub: Testing of concrete cubes (for below said no of days - Compressive Strength)

Name of Work :- PACKAGE No-03 Providing grill fencing and other developmental works at Sardara vallabai patel park, Sangolli rayanna park, Ambedkar park and Providing Gym & Children Play Equipments to Various Parks in Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants)

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri K Gopi Reddy.

RESULTS OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

CUBE SPECIMENS

Dimensions of Specimens: 150x150x150mm

Grade Of concrete: **M25**

Table 1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength	Average Strength N/mm2
1	Sardar Vallabai Patel Park, Basket Ball Court	22-12-2022	19-01-2023	8.14	28	570.00	25.33	26.07
2		"	"	8.63	"	570.00	25.33	
3		"	"	8.25	"	600.00	26.67	
4		"	"	8.33	"	610.00	27.11	
5		"	"	8.44	"	580.00	25.78	
6		"	"	8.25	"	590.00	26.22	



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Asst. Executive Engineer
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NO: YEL-P/PMC/PKG-03/Slump Cone Test

Date: 22/12/2022

Slump Cone Test : Test Report

Sub: Testing of concrete Slump IS: 1199-1959.

Name of Work :- PACKAGE No-03 Providing grill fencing and other developmental works at Sardara vallabai patel park, Sangolli rayanna park, Ambedkar park and Providing Gym & Children Play Equipments to Various Parks in Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants)

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri K Gopi Reddy.

RESULTS OF COMPRESSIVE STRENGTH OF CONCRETE CORE

CORE SPECIMENS

Grade Of concrete: M25

Technical Ref IS: 1199-1959.

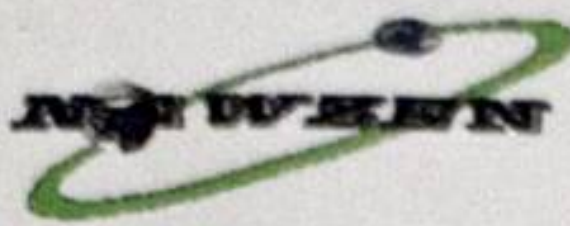
Table 1.1

SL No	Sample Number	Slump Height	Remarks (True/Collapse/Shear Slump)
1.	Random Sampling	120.00 mm	True Slump
2.	Random Sampling	125.00 mm	True Slump
3.	Random Sampling	130.00 mm	True Slump
4.	Random Sampling	125.00 mm	True Slump
5.	Random Sampling	130.00 mm	True Slump
6.	Random Sampling	125.00 mm	True Slump



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Asst. Executive Engineer
Project Division
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BBMP, Bangalore - 92



NO: YEL-P/PMC/PKG-03/MS Grill

Date: 10/12/2022

PHYSICAL PROPERTIES OF MS STEEL SPECIMENS

Specimen: 20mm Square Rods

Sub: Testing of MS Sections Technical Ref: IS.432 & IS 2062:2011

Name of Work :- PACKAGE No-03 Providing grill fencing and other developmental works at Sardara vallabai patel park, Sangolli rayanna park, Ambedkar park and Providing Gym & Children Play Equipments to Various Parks in Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants)

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri K Gopi Reddy.

RESULTS OF SPICEMEN SAMPLES

Technical Ref: IS.432 & IS 2062:2011

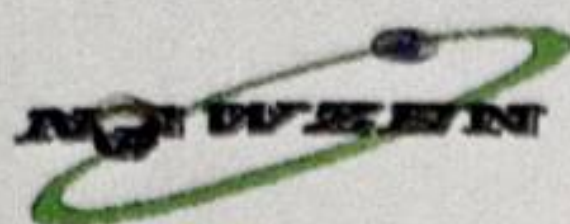
Table 1.1

SL No	Details Of Test	Result	Requirements as per IS Specifications
1.	Proof Stress/Yeild Stress, f_y (N/mm ²)	280	250 N/mm ² (min)
2.	Bend / Rebend Test	OK	Sample should Withstand
3.	Percentage of Elongation (%)	27	23.0 - 30.0
4.	Ultimate Tensile Strength, (N/mm ²)	465	410 - 530 N/mm ²



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Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92



NO: YEL-P/PMC/PKG-03/MS Grill

Date: 10/12/2022

PHYSICAL PROPERTIES OF MS STEEL SPECIMENS**Specimen: 20mm Square Rods**

Sub: Testing of MS Sections Technical Ref: IS.432 & IS 2062:2011

Name of Work :- PACKAGE No-03 Providing grill fencing and other developmental works at Sardara vallabai patel park, Sangolli rayanna park, Ambedkar park and Providing Gym & Children Play Equipments to Various Parks in Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants)

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri K Gopi Reddy.

RESULTS OF SPICEMEN SAMPLES

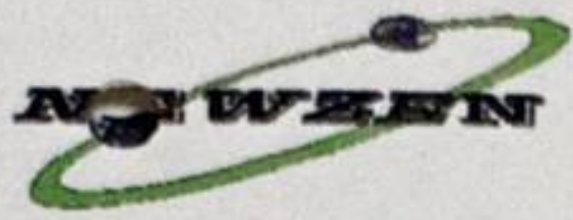
Technical Ref: IS.432 & IS 2062:2011

Table 1.1

SL No	Details Of Test	Result	Requirements as per IS Specifications
1.	Proof Stress/Yeild Stress, f_y (N/mm ²)	293	250 N/mm ² (min)
2.	Bend / Rebend Test	OK	Sample should Withstand
3.	Percentage of Elongation (%)	28.5	23.0 - 30.0
4.	Ultimate Tensile Strength, (N/mm ²)	490	410 - 530 N/mm ²



Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92



NO: YEL-P/PMC/PKG-03/KERB

Date: 10/12/2022

KerbStone (Core Cutting Method) Test Report

Sub: Testing of concrete Kerb Stones (Core Cutting Method) - Compressive Strength)

Name of Work :- PACKAGE No-03 Providing grill fencing and other developmental works at Sardara vallabai patel park, Sangolli rayanna park, Ambedkar park and Providing Gym & Children Play Equipments to Various Parks in Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants)

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri K Gopi Reddy.

RESULTS OF COMPRESSIVE STRENGTH OF CONCRETE CORE**CORE SPECIMENS**

Grade Of concrete: M15

Technical Ref.: IS.516-1959 (Reaffirmed), Sp 24-1983.

Table 1.1

Dia of Specimens: 50 mm =D

SL No	Height of core (H)m	Weight of Core (KG)	Density of core (KG/m ³)	H/D	Correction factor of H/D	Load KN	Compressive Strength - N/mm ²	Correction Factor for dia (Strength x1.08)	Corrected Compressive Strength	Equivalent Cube Compressive Strength
1.	78	.354	2311.4	1.56	.960	26.3	13.39	14.47	13.39	17.31
2.	80	.368	2342.7	1.60	.960	26.3	13.39	14.47	13.39	17.16
3.	82	.382	2372.5	1.64	.960	25.10	12.78	13.81	13.25	16.51



Asst. Executive Engineer
Project Division
Yelahanka Zone

BBMP, Bangalore - 92



NO: YEL-P/PMC/PKG-03/KERB

Date: 10/12/2022

KerbStone (Core Cutting Method) Test Report

Sub: Testing of concrete Kerb Stones (Core Cutting Method) - Compressive Strength)

Name of Work :- PACKAGE No-03 Providing grill fencing and other developmental works at Sardara vallabai patel park, Sangolli rayanna park, Ambedkar park and Providing Gym & Children Play Equipments to Various Parks in Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants)

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri K Gopi Reddy.

RESULTS OF COMPRESSIVE STRENGTH OF CONCRETE CORE**CORE SPECIMENS**

Grade Of concrete: M15

Technical Ref.: IS.516-1959 (Reaffirmed), Sp 24-1983.

Table 1.1

Dia of Specimens: 50 mm =D

SL No	Height of core (H)m	Weight of Core (KG)	Density of core (KG/m ³)	H/D	Correction factor of H/D	Load KN	Compressive Strength - N/mm ²	Correction Factor for dia (Strength x1.08)	Corrected Compressive Strength	Equivalent Cube Compressive Strength
1.	81	.375	2331.4	1.63	.960	26.3	13.39	14.47	13.39	17.73
2.	80	.368	2342.7	1.60	.960	26.3	13.39	14.47	13.39	17.50
3.	82	.382	2372.5	1.64	.960	25.10	12.78	13.81	13.25	16.20



Asst. Executive Engineer
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Yelahanka Zone - 92
BBMP, Bangalore



NO: YEL-P/PMC/PKG-03/PAVER

Date: 10/12/2022

1. Test report on cement Concrete Blocks:

Sub: Testing of 'T' Section Concrete Pavers- Compressive Strength) As Per IS 15558-2006, Clause -5 and 9.1.4 of Page -4

Name of Work :- PACKAGE No-03 Providing grill fencing and other developmental works at Sardara vallabai patel park, Sangolli rayanna park, Ambedkar park and Providing Gym & Children Play Equipments to Various Parks in Yelahanka Assembly Constituency Under Amrutha Nagarothana Grants)

Ref: Material Testing/PMC/22-23.

Report submitted to: Assistant Executive Engineer, Yelahanka Projects Division, BBMP Bangalore.

Name of Agency/ contractor: Sri K Gopi Reddy.

RESULTS OF COMPRESSIVE STRENGTH OF CONCRETE CUBES

CUBE SPECIMENS

Dimensions of Specimens: 200x150x60mm ('T' Section) C/s Area =25200mm²

Table 1.1

Sl No	Location	Date Of Casting	Date Of Testing	Weight Of Cubes	Age in days	Load (KN)	Compressive Strength N/mm ²	Average Strength N/mm ²
1	Sri. BM Srikantiah Park	05-11-2022	21-10-2022	3.40	32	1030.00	40.87	38.00
2		"	"	3.45	"	980.00	38.89	
3		"	"	3.55	"	900.00	35.71	
4		"	"	3.50	"	920.00	36.51	
5		"	"	3.60	"	950.00	37.70	
6		"	"	3.45	"	965.00	38.29	



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